

Claims

1. A method of manufacture of fast-disintegrating tablets, characterized in that the components in pulverized form are contacted with a pressurized liquefied gas or gas mixture, homogenized, introduced into moulds under a pressure of between 101325 Pa (normal pressure or 1.01325 bar) and 10^7 Pa (100 bar), and decompressed.
2. The method of claim 1 wherein the pressurized liquefied gas has a boiling point below 0° Celsius at 101325 Pa (normal pressure).
3. The method of claim 1 or 2 wherein the pressurized liquefied gas is selected from fluoroalkanes, fluorochloroalkanes, lower alkanes and low-boiling ethers, and mixtures thereof.
4. The method of claim 3 wherein the gas mixture is an azeotropic mixture.
5. The method of any one of claims 1 to 4 wherein the pressurized liquefied gas is selected from TG 227 (1,1,1,2,3,3,3-heptafluoropropane), TG 134a (1,1,1,2-tetrafluoroethane), propane, n-butane, isobutane and dimethyl ether, and mixtures thereof.
6. The method of any one of claims 1 to 5 wherein the pressurized liquefied gas or gas mixture further comprises a low-boiling solvent having a boiling point between 20° and 100° Celsius at 101325 Pa (normal pressure).
7. The method of claim 6 wherein the liquefied gas or gas mixture and the further solvent form an azeotropic mixture.
8. The method of any one of claims 1 to 7 wherein the pressurized liquefied gas further comprises carbon dioxide.
9. The method of any one of claims 1 to 8 wherein the pressurized liquefied gas or gas mixture and optional low-boiling solvent is first used to dissolve a binding agent, and the resulting solution added to the other solid components in pulverized form under pressure.

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10. The method of any one of claims 1 to 9 wherein the components comprise a binding agent selected from hydroxypropylcellulose phthalate and succinate, ethylcellulose, cellulose phthalate, polyvinyl phthalate, and methacrylic acid acrylate copolymers.

5 11. The method of any one of claims 1 to 10 for the manufacture of pharmaceutical tablets for oral use.

12. The method of claim 11 wherein the components comprise a filler selected from sugars, sugar alcohols, cellulose, and calcium phosphates and sulfates.

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13. The method of any one of claims 1 to 10 for the manufacture of tablets comprising foodstuffs or chemicals for disintegration in water or aqueous solvents.

14. Pharmaceutical tablets for oral use comprising one or more active ingredients and
15 other pharmaceutically acceptable components, prepared by the method of any one of claims 1 to 12.